

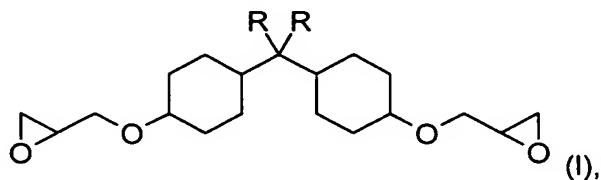
Heterogeneous ruthenium catalyst, process for hydrogenating a carbocyclic aromatic group and ring-hydrogenated bisglycidyl ethers of bisphenols A and F

Abstract

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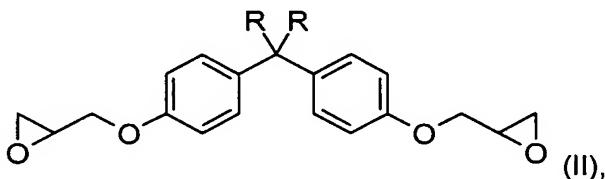
Heterogeneous ruthenium catalyst comprising silicon dioxide as support material, wherein the catalyst surface comprises alkaline earth metal ions ( $M^{2+}$ ), process for hydrogenating a carbocyclic aromatic group to form the corresponding carbocyclic aliphatic group, in particular a process for preparing bisglycidyl ethers of the formula I

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where R is  $CH_3$  or H, by ring hydrogenation of the corresponding aromatic bisglycidyl ether of the formula II

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in which the abovementioned heterogeneous ruthenium catalyst is used, and bisglycidyl ethers of the formula I which can be prepared by the abovementioned process.